



2817/DW  
grunebach

Patent  
PD-202131  
Customer No. 020991

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Ernest C. Chen et al. :

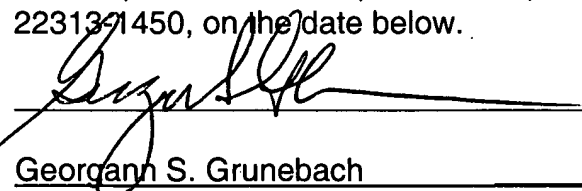
Serial No.: 10/532,509  
Filed: October 17, 2003

For: ESTIMATING THE OPERATING  
POINT ON A NON-LINEAR  
TRAVELING WAVE TUBE  
AMPLIFIER

Group Art Unit: 2817  
Examiner: Mottola, Steven J.

I hereby certify that this correspondence is  
being deposited with the United States Postal  
Service with sufficient postage as first class  
mail in an envelope addressed to:

Mail Stop Amendment, Commissioner for  
Patents, P. O. Box 1450, Alexandria, VA  
22313-1450, on the date below.

  
Georgann S. Grunebach

Typed or printed name of person signing certificate

Date: April 18, 2006

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The references cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 CFR 1.56. It is respectfully requested that the references be considered and made of record in the application identified above.

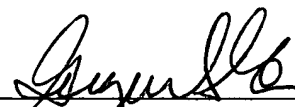
The references were cited in a European Search Report dated March 29, 2006 in the counterpart European patent application number 03777694.5.

This statement should be considered because it is being submitted before the mailing of a first Office action on the merits under 37 C.F.R. §1.97(b)(3). Accordingly, it is submitted that no fee is due in this matter.

However, if it is determined that any appropriate fee is due, the Commissioner is hereby authorized to charge Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California.

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

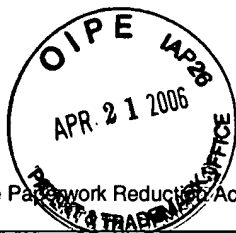
Respectfully submitted,

By:   
Georgann S. Grunebach, Reg. No. 33,179

The DIRECTV Group, Inc.  
RE/R11/A109  
P. O. Box 956  
El Segundo, CA 90245

Telephone No. (310) 964-4615

April 18, 2006



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>Substitute for form 1449/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)	<b>Complete if Known</b>	
	Application Number	10/532,509
	Filing Date	October 17, 2003
	First Named Inventor	Ernest C. Chen
	Art Unit	2817
	Examiner Name	MOTTOLA, Steven J.
Sheet 1 of 1	Attorney Docket Number	PD-202131

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-4,637,017	01-13-1987	Assal et al.	
		US-5,940,025	08-17-1999	Koehnke et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		WO 01/80471	10-25-2001	DSPC Technologies, Ltd.		
		WO 03/105375	12-18-2003	Hughes Electronics Corp.		

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
		Patent Abstracts of Japan; Vol. 015, No. 355 (E-1109): JP 03139027; Nippon Telegraph and Telephone Corporation; Publication date: 13 June 1991	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.